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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS 5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS 6	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS 7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS 8	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS 9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS 10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS 11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS 12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS 13	DEC 18	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 14	DEC 18	CA/CAplus patent kind codes updated
NEWS 15	DEC 18	MARPAT to CA/CAplus accession number crossover limit increased to 50,000
NEWS 16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS 17	DEC 27	CA/CAplus enhanced with more pre-1907 records
NEWS 18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 19	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 22	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 23	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 24	JAN 29	PHAR reloaded with new search and display fields
NEWS 25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 26	FEB 13	CASREACT coverage to be extended
NEWS 27	Feb 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 28	Feb 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 29	Feb 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 30	Feb 26	MEDLINE reloaded with enhancements
NEWS 31	Feb 26	EMBASE enhanced with Clinical Trial Number field
NEWS 32	Feb 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 33	Feb 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 34	Feb 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

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 NEWS IPC8      For general information regarding STN implementation of IPC 8
 NEWS X25       X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

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DICTIONARY FILE UPDATES:  12 MAR 2007  HIGHEST RN 926069-79-6

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=>
Uploading C:\Program Files\Stnexp\Queries\10509919.str
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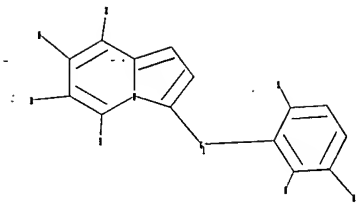
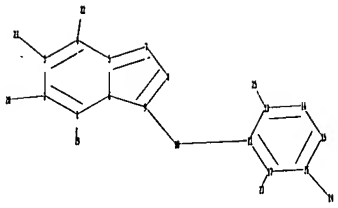




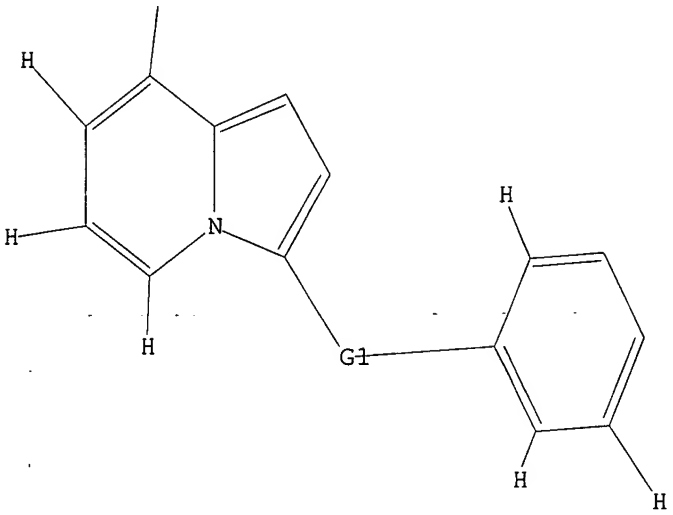
chain nodes :
10 19 20 21 22 23 24 25
ring nodes :
1 2 3 4 5 6 7 8 9 11 13 14 15 16 17
chain bonds :
1-19 2-20 3-21 4-22 9-10 10-11 13-25 16-24 17-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 11-13 11-17 13-14 14-15 15-16
16-17
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 6-9 9-10 10-11
exact bonds :
1-19 2-20 3-21 4-22 5-7 7-8 8-9 13-25 16-24 17-23
normalized bonds :
11-13 11-17 13-14 14-15 15-16 16-17
isolated ring systems :
containing 1 : 11 :

G1:C,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:CLASS 20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 13:41:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 363 TO ITERATE

100.0% PROCESSED 363 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6117 TO 8403
PROJECTED ANSWERS: 1486 TO 2714

L2 50 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 13:41:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7928 TO ITERATE

100.0% PROCESSED 7928 ITERATIONS 2358 ANSWERS
SEARCH TIME: 00.00.01

L3 2358 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 172.10 172.31

FILE 'CAPLUS' ENTERED AT 13:41:13 ON 13 MAR 2007

FILE COVERS 1907 - 13 Mar 2007 VOL 146 ISS 12
FILE LAST UPDATED: 11 Mar 2007 (20070311/ED)

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=> s l3 full
L4 189 L3

=> s l4 and py<2002
21882175 PY<2002
L5 150 L4 AND PY<2002

=> d ibib abs hitstr 1-20

L5 ANSWER 1 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:887680 CAPLUS
DOCUMENT NUMBER: 139:364844
TITLE: Preparation of indolizines as sPLA2 inhibitors
INVENTOR(S): Dillard, Robert D.; Hagishita, Sanji; Ohtani, Mitsuaki
PATENT ASSIGNEE(S): Eli Lilly and Company, USA; Shiongi and Company, Ltd.
SOURCE: U.S., 62 pp., Cont.-in-part of U.S. Ser. No. 278,445.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6645976	B1	20031111	US 1997-765566	19970428
WO 9603383	A1	19960208	WO 1995-US9381	19950720 <--

W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1994-278445 A2 19940721
WO 1995-US9381 W 19950720
OTHER SOURCE(S): MARPAT 139:364844
GI

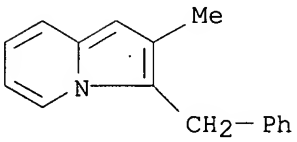
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I, II, III [wherein X = O or S; R11 = independently H, alkyl, or halo; R12 = H, halo, (cyclo)alkyl, cycloalkenyl, alkoxy, alkylthio, or a non-interfering substituent having 1-3 atoms other than H; R13 = (un)substituted alkyl, alkenyl, alkynyl, (hetero)cyclyl optionally connected by a linking group; R15 and R16 = independently H, non-interfering substituent, or (un)substituted (hetero)cyclyl; R17 and R18 = independently H, non-interfering substituent, or acidic linker; with the proviso that at least one of R17 and R18 must be an acidic linker; or pharmaceutically acceptable salt, ester, or amide prodrug derivs. thereof], and their 3-acetamide, 3-acetic acid hydrazide, and 3-glyoxylamide analogs were prepared as inhibitors of human secreted phospholipase A2 (sPLA2) mediated release of fatty acids. For example, conversion of 2-methyl-5-methoxypyridine to the anion in THF using lithium diisopropylamide and subsequent reaction with benzonitrile produced 5-methoxy-2-phenacylpyridine (57.0%). Cyclization of the pyridine derivative with 1-bromo-2-butanone using NaHCO3 in acetone gave the 1-benzoylindolizine (90.7%), which was reduced by LAH to give 1-benzyl-2-ethyl-6-methoxyindolizine (94.5%). Acylation (98.5%) with Et oxalyl chloride in benzene, followed by saponification with LiOH in H2O and amidation using NH4OH, provided 2-(1-benzyl-2-ethyl-6-methoxyindolizin-3-yl)glyoxylamide. Demethylation by BBr3 in CH2Cl2, coupling with Et 4-bromobutyrate (56.2%) in the presence of NaH in DMF, and hydrolysis with LiOH gave the title indolizine IV (49.9%). Eighty-eight compds. of the invention inhibited recombinant human sPLA2 in a chromogenic assay with IC50 values ranging from 0.006 μM to 1.1 μM, in contrast to IC50 values >50 μM for comparative examples. Administration of 10/mg/kg of the representative compound, 2-[8-(carbomethoxymethoxy)-2-ethyl-3-(2-phenylbenzyl)indolizin-1-yl]glyoxylamide, improved the survival rate of male Wistar rats with sPLA2-induced pancreatitis from 33.3% (vehicle) to 91.7%. Thus, invention compds. and their pharmaceutical formulations are useful for the treatment of conditions such as septic shock, adult respiratory distress syndrome, pancreatitis, trauma, bronchial asthma, allergic rhinitis, and rheumatoid arthritis.

IT 80413-24-7P, 3-Benzyl-2-methylindolizine 177558-84-8P, Ethyl 3-benzyl-2-methylindolizine-1-carboxylate 177558-87-1P, 3-Benzyl-2-methylindolizine-1-carboxylic acid
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of indolizines as inhibitors of sPLA2 mediated release of fatty acids)

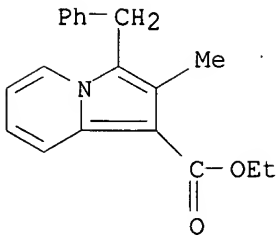
RN 80413-24-7 CAPLUS

CN Indolizine, 2-methyl-3-(phenylmethyl)- (9CI) (CA INDEX NAME)

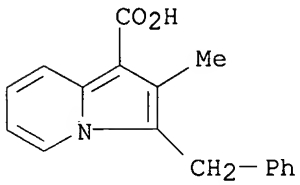


RN 177558-84-8 CAPLUS

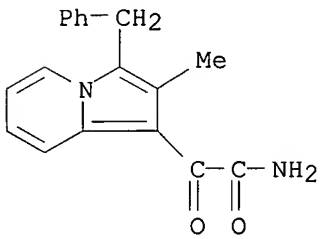
CN 1-Indolizinecarboxylic acid, 2-methyl-3-(phenylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 177558-87-1 CAPLUS
CN 1-Indolizinecarboxylic acid, 2-methyl-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



IT 177556-92-2P, 2-(3-Benzyl-2-methylindolizin-1-yl)glyoxylamide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(sPLA2 inhibitor; preparation of indolizines as inhibitors of sPLA2 mediated release of fatty acids)
RN 177556-92-2 CAPLUS
CN 1-Indolizineacetamide, 2-methyl-α-oxo-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



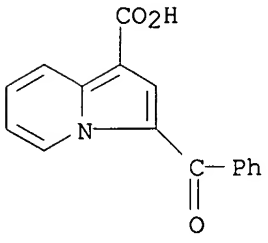
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:861066 CAPLUS
DOCUMENT NUMBER: 139:117275
TITLE: Product class 16: indolizines
AUTHOR(S): Shipman, M.
CORPORATE SOURCE: School of Chemistry, University of Exeter, Exeter, EX4 4QD, UK
SOURCE: Science of Synthesis (2001), 10, 745-787
CODEN: SSCYJ9
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review describes some of the most useful methods for the synthesis of indolizines. The methods described are categorized as synthesis by ring-closure reactions; ring transformation; and substituent modification.
IT 25627-87-6

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of indolizines and synthetic modification of substituents)

RN 25627-87-6 CAPLUS

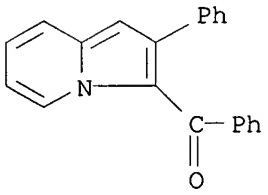
CN 1-Indolizinecarboxylic acid, 3-benzoyl- (8CI, 9CI) (CA INDEX NAME)



IT 14759-45-6P 17281-78-6P 25314-92-5P
25627-81-0P 36944-59-9P 36944-82-8P
96206-93-8P 155787-86-3P 155787-87-4P
155787-88-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of indolizines via ring-closure reactions and ring transformations)

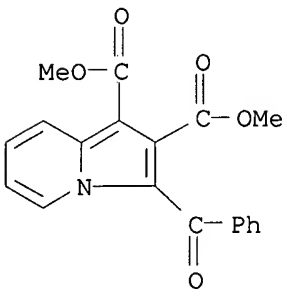
RN 14759-45-6 CAPLUS

CN Methanone, phenyl(2-phenyl-3-indolizinyl)- (9CI) (CA INDEX NAME)



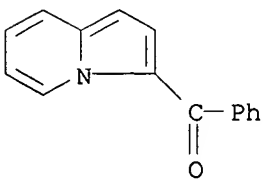
RN 17281-78-6 CAPLUS

CN 1,2-Indolizinedicarboxylic acid, 3-benzoyl-, dimethyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)

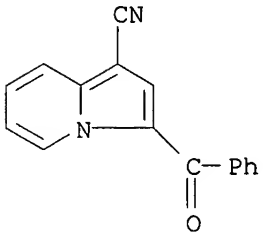


RN 25314-92-5 CAPLUS

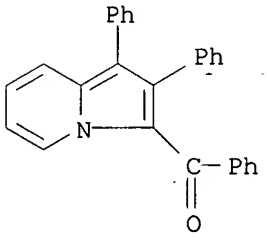
CN Methanone, 3-indolizinylphenyl- (9CI) (CA INDEX NAME)



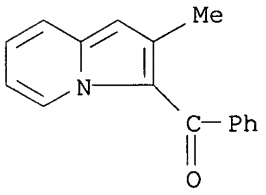
RN 25627-81-0 CAPLUS
CN 1-Indolizinecarbonitrile, 3-benzoyl- (8CI, 9CI) (CA INDEX NAME)



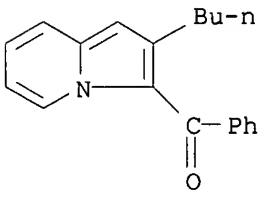
RN 36944-59-9 CAPLUS
CN Methanone, (1,2-diphenyl-3-indolizinyl)phenyl- (9CI) (CA INDEX NAME)



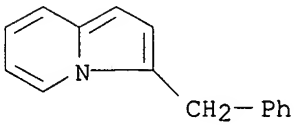
RN 36944-82-8 CAPLUS
CN Methanone, (2-methyl-3-indolizinyl)phenyl- (9CI) (CA INDEX NAME)



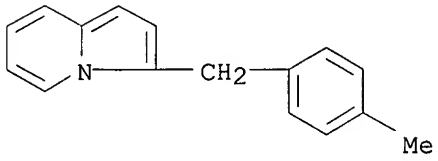
RN 96206-93-8 CAPLUS
CN Methanone, (2-butyl-3-indolizinyl)phenyl- (9CI) (CA INDEX NAME)



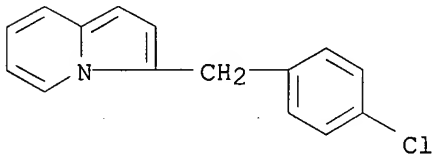
RN 155787-86-3 CAPLUS
CN Indolizine, 3-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 155787-87-4 CAPLUS
CN Indolizine, 3-[(4-methylphenyl)methyl]- (9CI) (CA INDEX NAME)

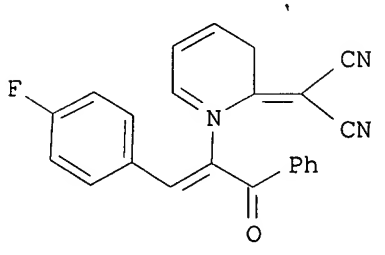


RN 155787-88-5 CAPLUS
CN Indolizine, 3-[(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 176 THERE ARE 176 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:274976 CAPLUS
DOCUMENT NUMBER: 137:185383
TITLE: Synthesis of 1-(1-Aroyl-2-arylvinyl)-2-dicyanomethylen-1,2-dihydropyridines from 2-chloropyridinium salts and unsaturated nitriles
AUTHOR(S): Khoroshilov, G. E.
CORPORATE SOURCE: Taras Shevchenko Lugansk State University, Luhansk, 348011, Ukraine
SOURCE: Chemistry of Heterocyclic Compounds (New York, NY, United States)(Translation of Khimiya Geterotsiklicheskikh Soedinenii) (2001), 37(9), 1141-1144
CODEN: CHCCAL; ISSN: 0009-3122
PUBLISHER: Kluwer Academic/Consultants Bureau
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:185383
GI



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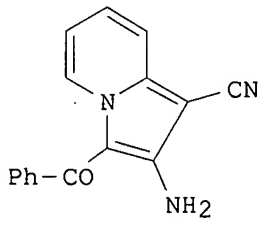
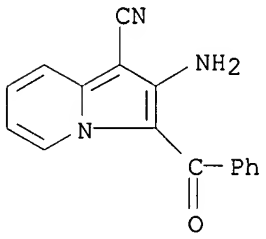


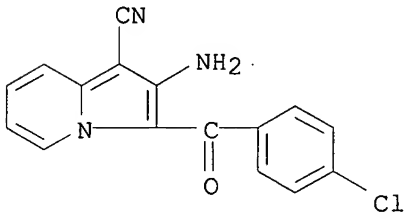
II

AB 1-(1-Aroyl-2-arylvinyl)-2-dicyanomethylene-1,2-dihydropyridines, e.g. I, are formed from 1-(aroylmethyl)-2-chloropyridinium bromides and arylmethylenemalonitriles in ethanol at room temperature in the presence of a two-fold excess of triethylamine. The products are converted into 2-amino-3-aroyl-1-cyanoindolizines, e.g. II, on boiling in acetic acid.

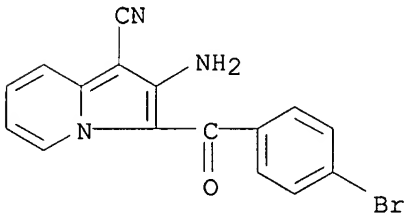
IT 63014-77-7P 353262-87-0P 353262-89-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of 1-(1-aroyl-2-arylvinyl)-2-dicyanomethylen-1,2-dihydropyridines from 2-chloropyridinium salts and unsatd. nitriles via condensation reaction)
RN 63014-77-7 CAPLUS
CN 1-Indolizinecarbonitrile, 2-amino-3-benzoyl- (9CI) (CA INDEX NAME)



RN 353262-87-0 CAPLUS
CN 1-Indolizinecarbonitrile, 2-amino-3-(4-chlorobenzoyl)- (9CI) (CA INDEX NAME)



RN 353262-89-2 CAPLUS
CN 1-Indolizinecarbonitrile, 2-amino-3-(4-bromobenzoyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:482859 CAPLUS
DOCUMENT NUMBER: 135:282674
TITLE: 4-(Benzoylindolizinyl)butyric acids; novel nonsteroidal inhibitors of steroid 5α-reductase. III
AUTHOR(S): Sawada, Kozo; Okada, Satoshi; Kuroda, Akio; Watanabe, Shinya; Sawada, Yuki; Tanaka, Hirokazu
CORPORATE SOURCE: Exploratory Research Laboratories, Fujisawa Pharmaceutical Co., Ltd., Tsukuba, 300-2698, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (2001), 49(7), 799-813
CODEN: CPBTAL; ISSN: 0009-2363

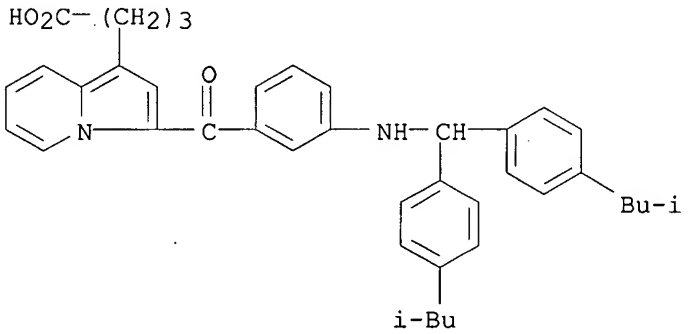
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 135:282674

AB A novel series of indolizinebutyric acids with various benzoyl substituents was synthesized to develop nonsteroidal inhibitors of steroid 5α-reductase, and the structure-activity relationships in this series were studied. The authors previously reported the structure-activity relationships in a series of indolebutyric acids as well as the discovery of the novel nonsteroidal 5α-reductase inhibitor, FK143. The authors have now made other modifications to this compound to improve in vivo inhibitory activity. By altering the heterocyclic nucleus and changing the benzoyl substituent the authors have succeeded in identifying the strongly active compound, FK687, (S)-4-[1-[4-[[1-(4-isobutylphenyl)butyl]oxy]benzoyl]indolizin-3-yl]butyric acid, which displays strong in vitro inhibitory activity against the human enzyme and in vivo inhibitory activity against the castrated young rat model. This compound should be a useful agent for the treatment of benign prostatic hyperplasia.

IT 365280-19-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (benzoylindolizinyl)butyric acids as novel nonsteroidal inhibitors of steroid 5α-reductase in relation to structure and treatment of benign prostatic hyperplasia)

RN 365280-19-9 CAPLUS

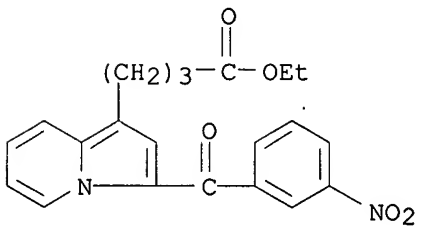
CN 1-Indolizinebutanoic acid, 3-[3-[[bis[4-(2-methylpropyl)phenyl]methyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



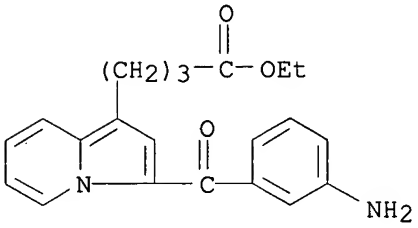
IT 146922-53-4P 146922-61-4P 146923-35-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (benzoylindolizinyl)butyric acids as novel nonsteroidal inhibitors of steroid 5α-reductase in relation to structure and treatment of benign prostatic hyperplasia)

RN 146922-53-4 CAPLUS

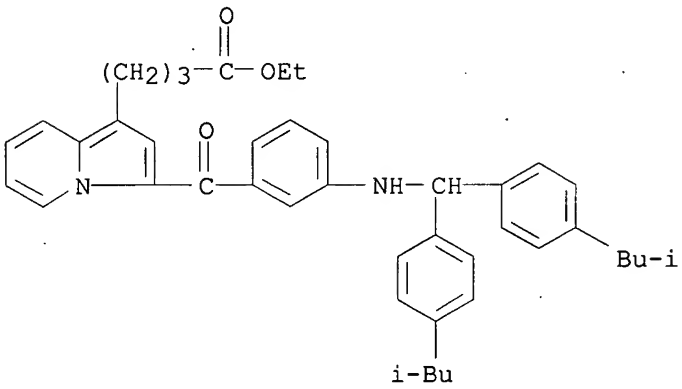
CN 1-Indolizinebutanoic acid, 3-(3-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 146922-61-4 CAPLUS
CN 1-Indolizinebutanoic acid, 3-(3-aminobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 146923-35-5 CAPLUS
CN 1-Indolizinebutanoic acid, 3-[3-[[bis[4-(2-methylpropyl)phenyl]methyl]amino]benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)

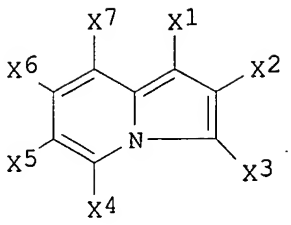


REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:782810 CAPLUS
DOCUMENT NUMBER: 133:357083
TITLE: Organic electroluminescent component
INVENTOR(S): Nakatsuka, Masakatsu; Shimamura, Takehiko
PATENT ASSIGNEE(S): Mitsui Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 46 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000311787	A	20001107	JP 2000-41097	20000218 <--
PRIORITY APPLN. INFO.:			JP 1999-42856 A	19990222
OTHER SOURCE(S):	MARPAT 133:357083			

GI

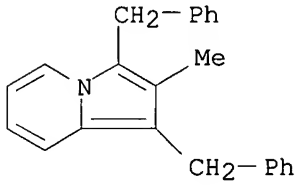


I

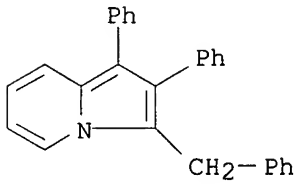
AB The invention refers to an organic electroluminescent component comprising an indolizine compound I [X1-7 = H, halo, straight chain or branched alkyl, straight chain, branched or ring alkoxy, (un)substituted aryl, aralkyl, aryloxy, or alkenyl; where X1,2, X2,3, X3,4, X4,5, X5,6 and X6,7 can be joined to form a ring] as a conductor.

IT 160663-15-0 160663-20-7 304885-98-1
RL: DEV (Device component use); USES (Uses)
(organic electroluminescent component)

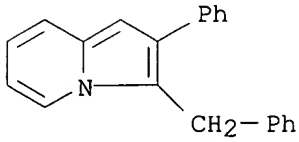
RN 160663-15-0 CAPLUS
CN Indolizine, 2-methyl-1,3-bis(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 160663-20-7 CAPLUS
CN Indolizine, 1,2-diphenyl-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 304885-98-1 CAPLUS
CN Indolizine, 2-phenyl-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



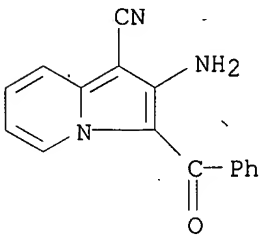
L5 ANSWER 6 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:757464 CAPLUS
DOCUMENT NUMBER: 134:42108
TITLE: Synthesis of some new pyrimido[5,4-a]indolizines
AUTHOR(S): El-Salam, Osama I. Abd
CORPORATE SOURCE: Applied Organic Chemistry Department, National Research Center, Cairo, 12622, Egypt

SOURCE: Monatshefte fuer Chemie (2000), 131(9), 959-965
CODEN: MOCMB7; ISSN: 0026-9247
PUBLISHER: Springer-Verlag Wien
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:42108

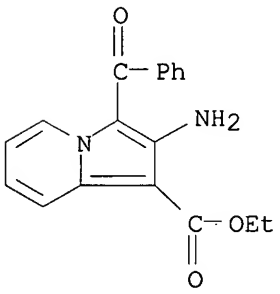
AB The synthesis of new pyrimido[5,4-a]indolizines by reaction of 2-aminoindolizine-1-carbonitrile or Et 2-aminoindolizine-1-carboxylate (I) with electrophilic reagents is described. For example, N-acetylation of I with Ac2O followed by cyclization with NH4OH gave 10-benzoyl-2-methylpyrimido[5,4-a]indolizine-4(3H)-one (II). II showed bactericidal activity against Bacillus subtilis comparable to that of oxytetracycline.

IT 63014-77-7 63014-81-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(synthesis and antimicrobial activities of pyrimidoindolizines)

RN 63014-77-7 CAPLUS
CN 1-Indolizinecarbonitrile, 2-amino-3-benzoyl- (9CI) (CA INDEX NAME)

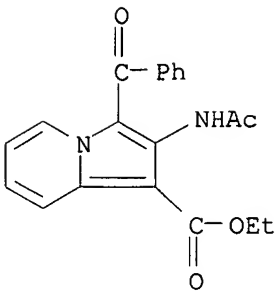


RN 63014-81-3 CAPLUS
CN 1-Indolizinecarboxylic acid, 2-amino-3-benzoyl-, ethyl ester (9CI) (CA INDEX NAME)

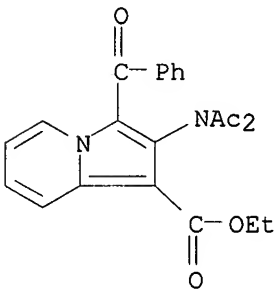


IT 312956-54-0P 312956-55-1P 312956-59-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis and antimicrobial activities of pyrimidoindolizines)

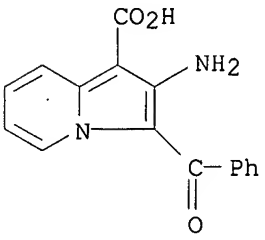
RN 312956-54-0 CAPLUS
CN 1-Indolizinecarboxylic acid, 2-(acetylamino)-3-benzoyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 312956-55-1 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-(diacetylamino)-, ethyl ester (9CI) (CA INDEX NAME)



RN 312956-59-5 CAPLUS
CN 1-Indolizinecarboxylic acid, 2-amino-3-benzoyl-, monopotassium salt (9CI) (CA INDEX NAME)



● K

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:457027 CAPLUS
DOCUMENT NUMBER: 133:89529
TITLE: Preparation of aromatic heterocycle compounds having HIV integrase inhibiting activities
INVENTOR(S): Fujishita, Toshio; Yoshinaga, Tomokazu; Sato, Akihiko
PATENT ASSIGNEE(S): Shionogi and Co., Ltd., Japan
SOURCE: PCT Int. Appl., 554 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1

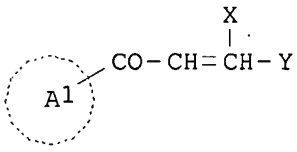
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000039086	A1	20000706	WO 1999-JP7101	19991217 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2353961	A1	20000706	CA 1999-2353961	19991217 <--
BR 9916583	A	20010925	BR 1999-16583	19991217 <--
EP 1142872	A1	20011010	EP 1999-961299	19991217 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200101886	T2	20011221	TR 2001-200101886	19991217 <--
AU 763040	B2	20030710	AU 2000-17979	19991217
NZ 512184	A	20030829	NZ 1999-512184	19991217
HU 200201472	A2	20031028	HU 2002-1472	19991217
RU 2225860	C2	20040320	RU 2001-120016	19991217
ZA 2001004622	A	20020606	ZA 2001-4622	20010606
US 6620841	B1	20030916	US 2001-857632	20010607
IN 2001CN00843	A	20050304	IN 2001-CN843	20010618
NO 2001003179	A	20010827	NO 2001-3179	20010622 <--
US 6645956	B1	20031111	US 2002-288380	20021106
US 2004002485	A1	20040101	US 2003-463816	20030618
US 7098201	B2	20060829		

PRIORITY APPLN. INFO.:	JP 1998-371270	A 19981225
	JP 1999-247479	A 19990901
	WO 1999-JP7101	W 19991217
	US 2001-857632	A3 20010607
	US 2002-288380	A3 20021106

OTHER SOURCE(S): MARPAT 133:89529

GI



I

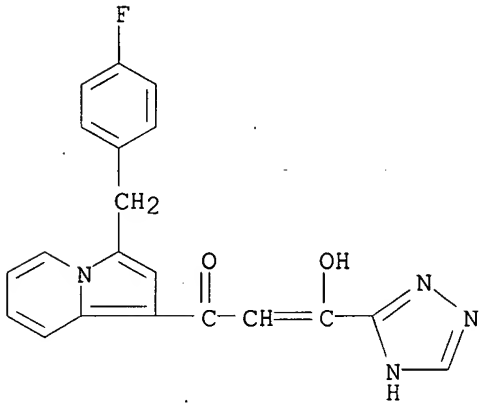
AB Compds. represented by general formula (I), tautomers of the same, prodrugs of both, or pharmaceutically acceptable salts or hydrates of them [wherein X is hydroxyl, protected hydroxyl or optionally substituted amino; Y is COORA (wherein RA is hydrogen or an ester residue), CONRBRC (wherein RB and RC are each independently hydrogen or an amide residue), optionally substituted aryl or optionally substituted heteroaryl; and A1 is optionally substituted heteroaryl, with the proviso that the cases wherein either or both of Y and A1 are optionally substituted indol-3-yl are excepted.] are prepared These compds. are useful as antiviral, anti-retroviral, anti-HIV, anti-HTLV-1, anti-FIV (feline immunodeficiency virus), anti-SIV (simian immunodeficiency virus), and anti-AIDS agents and enhance anti-HIV activities of adsorption, TAT (HIV-1 transactivator protein), HIV-1 Rev protein, and reverse transcriptase inhibitors. Thus, treatment of 2-acetyl-5-(4-fluorobenzyl)furan was treated dropwise with lithium bistrimethylsilylamide in THF at -70° to -10° followed by condensation with Et 1-trityl-1H-1,2,4-triazole-3-carboxylate at room temperature and deprotection with 1 N HCl/dioxane gave 61% 1-[5-(4-fluorobenzyl)furan-2-yl]-3-hydroxy-3-(1H-1,2,4-triazol-3-

yl)propene (II). II showed IC50 of 0.53 μg/mL against HIV-1 integrase and exhibited EC50 of 57, 35, 57, and 44 ng/mL for inhibiting HIV-1 NL432, HIV-2 ROD, SIVmac, and SIVagm, resp.

IT 280572-76-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aromatic heterocycle compds. having HIV integrase inhibiting activities)

RN 280572-76-1 CAPLUS

CN 2-Propen-1-one, 1-[3-[(4-fluorophenyl)methyl]-1-indolizinyl]-3-hydroxy-3-(1H-1,2,4-triazol-3-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:801102 CAPLUS

DOCUMENT NUMBER: 132:122502

TITLE: Preparation of 1-(trifluoroacetyl)indolizines and their derivatives via cycloaddition of pyridinium N-ylides with 4-ethoxy-1,1,1-trifluorobut-3-en-2-one

AUTHOR(S): Zhu, Shi-zheng; Qin, Chao-yue; Wang, Yan-Li; Chu, Qian-li

CORPORATE SOURCE: Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai, 200032, Peop. Rep. China

SOURCE: Journal of Fluorine Chemistry (1999), 99(2), 183-187
CODEN: JFLCAR; ISSN: 0022-1139

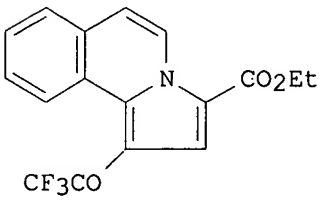
PUBLISHER: Elsevier Science S.A.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 132:122502

GI



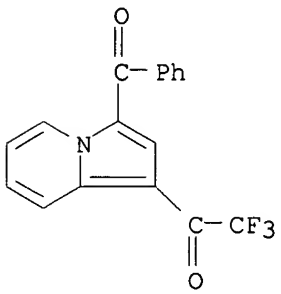
I

AB Under basic reaction conditions pyridinium or isoquinolinium N-ylides (C5H5N+CH2Y Br- or C9H7N+CH2Y Br-; Y = CO2Me, CO2Et, CN, PhCO) reacted readily with 4-ethoxy-1,1,1-trifluorobut-3-en-2-one to give 1-(trifluoroacetyl)indolizines or -pyrrolo[1,2-a]isoquinolines. The mol. structure of product I was determined

IT 256234-53-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(cycloaddn. of pyridinium or isoquinolinium N-ylides with ethoxytrifluorobutenone)

RN 256234-53-4 CAPLUS

CN Ethanone, 1-(3-benzoyl-1-indolizinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:563227 CAPLUS

DOCUMENT NUMBER: 131:310616

TITLE: Novel 1,3-dipolar cycloaddition of quinoxalinium N-ylide to alkene promoted by MnO2: a new approach to synthesis of pyrrolo[1,2-a]-quinoxalines

AUTHOR(S): Zhou, Jian; Zhang, Lande; Hu, Yuefei; Hu, Hongwen

CORPORATE SOURCE: Department of Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China

SOURCE: Journal of Chemical Research, Synopses (1999), (9), 552-553
CODEN: JRPSDC; ISSN: 0308-2342

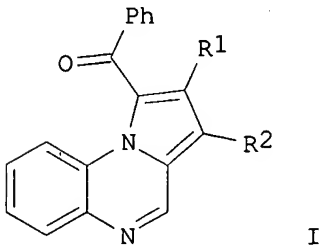
PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 131:310616

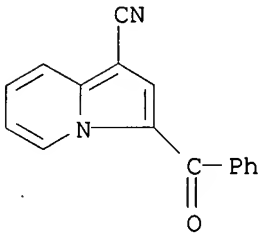
GI



I

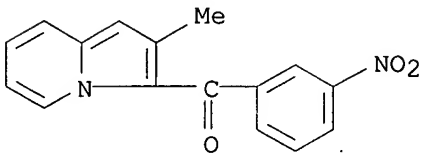
AB A novel approach to synthesize pyrrolo[1,2-a]quinoxalines I [R1 = H, CO2Et, R2 = cyano, CO2Me, COMe, CO2Et; R1R2 = CO(NPh)CO] was developed successfully by 1,3-dipolar cycloaddn. of a quinoxalinium N-ylide to alkenes R1CH:CHR2 in the presence of MnO2 under very convenient conditions and with moderate yields (40-52%).

IT 25627-81-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of pyrroloquinoxalines by dipolar cycloaddn. of alkenes to quinoxalinium N-ylide)
RN 25627-81-0 CAPLUS
CN 1-Indolizinecarbonitrile, 3-benzoyl- (8CI, 9CI) (CA INDEX NAME)

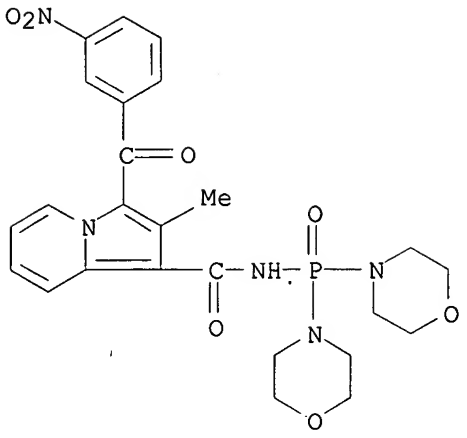


REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:327734 CAPLUS
DOCUMENT NUMBER: 131:73717
TITLE: C-acylation of electron-rich heterocyclic compounds with Kirsanov isocyanate
AUTHOR(S): Tolmachev, Andrei A.; Chaikovskaya, Aleksandra A.; Smaliy, Radomir V.; Kudrya, Tamara N.; Yurchenko, Aleksandr A.; Pinchuk, Aleksandr M.
CORPORATE SOURCE: Institute of Organic Chemistry, National Academy of Sciences of Ukraine, Kiev, 253660, Ukraine
SOURCE: Heteroatom Chemistry (1999), 10(4), 343-348
CODEN: HETCE8; ISSN: 1042-7163
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:73717
AB Pyrroles, indoles, indolizines, and 2-methylfuran are vigorously C-acylated with isocyanatophosphoryl dichloride. E.g., N-methylpyrrole reacts with Cl2P(O)NCO in octane at room temperature to give a 90% yield of 1-methylpyrrole-2-carboxamidophosphoryl dichloride. The resulting heteroaryl-substituted isocyanatophosphoryl dichlorides provide a convenient access to a variety of products.
IT 228566-56-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(C-acylation reaction with isocyanatophosphoryl dichloride to give an acylated pyrrole derivative)
RN 228566-56-1 CAPLUS
CN Methanone, (2-methyl-3-indolizinyl)(3-nitrophenyl)- (9CI) (CA INDEX NAME)



IT 228566-54-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 228566-54-9 CAPLUS
CN 1-Indolizinecarboxamide, N-(di-4-morpholinylphosphinyl)-2-methyl-3-(3-nitrobenzoyl)- (9CI) (CA INDEX NAME)



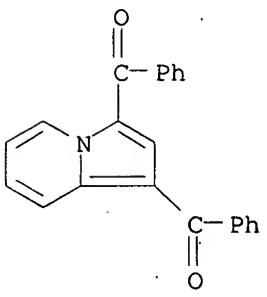
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:281626 CAPLUS
DOCUMENT NUMBER: 130:337991
TITLE: Facile one-step synthesis of 1-acylindolizines by the reaction of pyridinium salts with Mannich bases in the presence of TPCD
AUTHOR(S): Wang, Bing-Xiang; Hu, Jia-Xin; Hu, Yue-Fei; Hu, Hong-Wen
CORPORATE SOURCE: Dep. Chem., Nanjing Univ., Nanjing, 210093, Peop. Rep. China
SOURCE: Gaodeng Xuexiao Huaxue Xuebao (1999), 20(3), 418-420
CODEN: KTHPDM; ISSN: 0251-0790
PUBLISHER: Gaodeng Jiaoyu Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

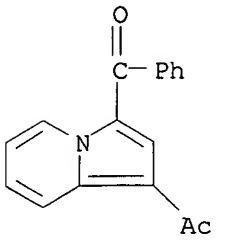
AB A facile one-step method is presented for the synthesis of 1-acylindolizines in moderate yield by the reaction of pyridinium salts with Mannich bases in the presence of NaHCO3 and a mild oxidizing agent, tetrakispyridine cobalt dichromate (TPCD). For example, 1-acetyl-3-benzoylindolizine was prepared in 36% yield from phenacylpyridinium bromide and 4-dimethylamino-2-butanone hydrochloride.

IT 17281-91-3P 51386-41-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of 1-acylindolizines by reaction of pyridinium salts with Mannich bases in presence of TPCD)

RN 17281-91-3 CAPLUS
CN Methanone, 1,3-indolizinediylbis[phenyl- (9CI) (CA INDEX NAME)



RN 51386-41-5 CAPLUS
CN Ethanone, 1-(3-benzoyl-1-indolizinyl)- (9CI) (CA INDEX NAME)

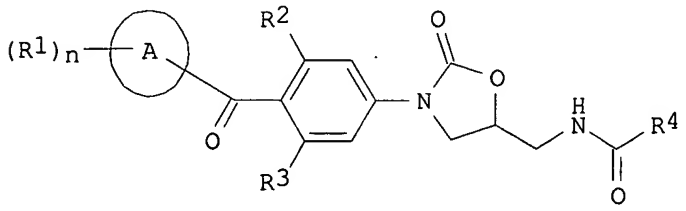


L5 ANSWER 12 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:184253 CAPLUS
DOCUMENT NUMBER: 130:223263
TITLE: Preparation and bactericidal activity of [(aminomethyl)oxooxazolidinyl]benzene derivatives
INVENTOR(S): Mills, Stuart Dennett
PATENT ASSIGNEE(S): Zeneca Limited, UK
SOURCE: PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9911642	A1	19990311	WO 1998-GB2556	19980825 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9888721	A	19990322	AU 1998-88721	19980825 <--
EP 1007525	A1	20000614	EP 1998-940384	19980825 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001514259	T	20010911	JP 2000-508681	19980825 <--
ZA 9807861	A	19990301	ZA 1998-7861	19980828 <--
US 6362191	B1	20020326	US 2000-485972	20000218

PRIORITY APPLN. INFO.: GB 1997-18208 A 19970829
GB 1997-27160 A 19971224
WO 1998-GB2556 W 19980825

OTHER SOURCE(S): MARPAT 130:223263
GI



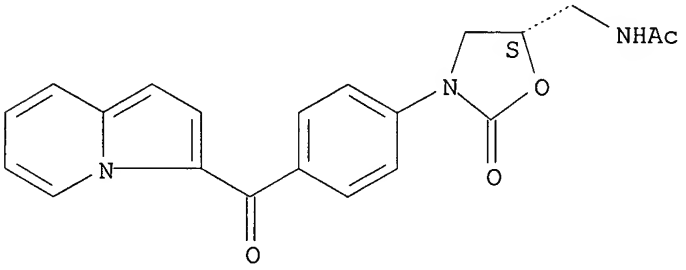
I

AB The title compds. I [A = 5-membered heteroaryl ring, bicyclic benzo system containing 5-membered heteroaryl ring, bicyclic or tricyclic heteroaryl ring system with at least one bridgehead nitrogen and optionally a further 1-3 heteroatoms chosen from oxygen, sulfur and nitrogen; R1 = OH, halo, amino, nitro, cyano, carboxy, thiol, C1-4alkanoyloxy, C1-4alkoxycarbonyl, dimethylaminomethyleneaminocarbonyl, C1-4alkyl, C2-4alkenyl, C2-4alkynyl, C1-4alkoxy, optionally substituted Ph, an optionally substituted 5- or 6-membered heteroaryl ring or hydroxyC1-4alkyl; n = 0-6; R2, R3 = H, F; R4 = C1-4alkyl], useful as antibacterial agents against gram-pos. pathogens, were prepared E.g., N-([(5S)-N-(4-[imidazol-2-ylcarbonyl]phenyl)-2-oxooxazolidin-5-yl]methyl)acetamide was prepared

IT 221184-58-3P 221184-73-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and bactericidal activity of [(aminomethyl)oxooxazolidinyl]benzene derivs.)

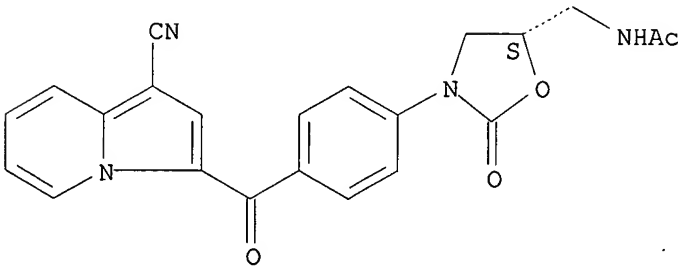
RN 221184-58-3 CAPLUS
CN Acetamide, N-[[(5S)-3-[4-(3-indolizinylcarbonyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 221184-73-2 CAPLUS
CN Acetamide, N-[[(5S)-3-[4-[(1-cyano-3-indolizinyl)carbonyl]phenyl]-2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

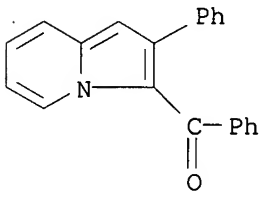
L5 ANSWER 13 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:43881 CAPLUS
DOCUMENT NUMBER: 130:139272
TITLE: The first approach to the synthesis of 1-unsubstituted 2-arylindolizines by intramolecular 1,5-dipolar cyclization of 2-(2-arylethenyl)pyridinium ylides in the presence of tetrakis(pyridine)cobalt(II) dichromate
AUTHOR(S): Zhou, Jian; Hu, Yue Fei; Hu, Hong Wen

CORPORATE SOURCE: Department Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China
SOURCE: Synthesis (1999), (1), 166-170
CODEN: SYNTBF; ISSN: 0039-7881
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 130:139272

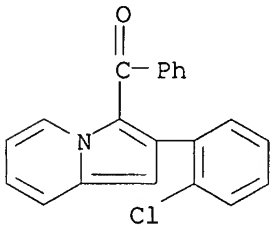
AB A synthesis of 1-unsubstituted 2-arylindolizines by intramol. 1,5-dipolar cyclization of 2-(2-arylethenyl)pyridinium ylides in the presence of tetrakis(pyridine)cobalt(II) dichromate was developed. Several 1-unsubstituted 2-aryl-3-acetyl-, 3-benzoyl-, 3-ethoxycarbonyl- and 3-(4-nitrobenzoyl)indolizines were synthesized under the mild conditions in reasonable to moderate yields.

IT 14759-45-6P 220152-04-5P 220152-05-6P
220152-06-7P 220152-07-8P 220152-08-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of arylindolizines by intramol. 1,5-dipolar cycloaddn. of (arylethenyl)pyridinium ylides)

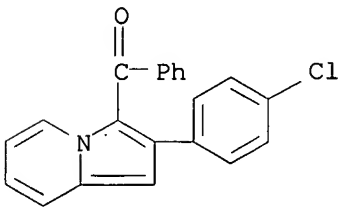
RN 14759-45-6 CAPLUS
CN Methanone, phenyl(2-phenyl-3-indolizinyl)- (9CI) (CA INDEX NAME)



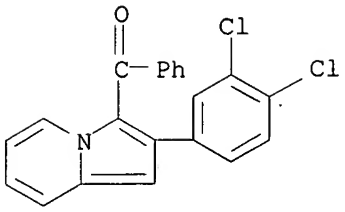
RN 220152-04-5 CAPLUS
CN Methanone, [2-(2-chlorophenyl)-3-indolizinyl]phenyl- (9CI) (CA INDEX NAME)



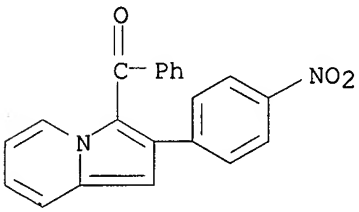
RN 220152-05-6 CAPLUS
CN Methanone, [2-(4-chlorophenyl)-3-indolizinyl]phenyl- (9CI) (CA INDEX NAME)



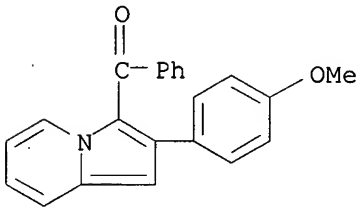
RN 220152-06-7 CAPLUS
CN Methanone, [2-(3,4-dichlorophenyl)-3-indolizinyl]phenyl- (9CI) (CA INDEX NAME)



RN 220152-07-8 CAPLUS
CN Methanone, [2-(4-nitrophenyl)-3-indolizinyl]phenyl- (9CI) (CA INDEX NAME)



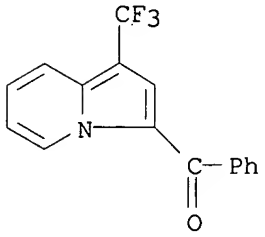
RN 220152-08-9 CAPLUS
CN Methanone, [2-(4-methoxyphenyl)-3-indolizinyl]phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

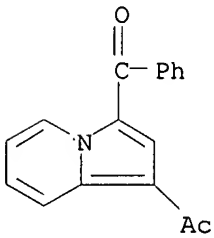
L5 ANSWER 14 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:43858 CAPLUS
DOCUMENT NUMBER: 130:139271
TITLE: A one-step approach to 1-(fluoroalkyl)indolizine derivatives
AUTHOR(S): Zhang, Xue-chun; Huang, Wei-yuan
CORPORATE SOURCE: Laboratory Organofluorine Chemistry, Shanghai Institute Organic Chemistry, Chinese Academy Sciences, Shanghai, 200032, Peop. Rep. China
SOURCE: Synthesis (1999), (1), 51-54
CODEN: SYNTBF; ISSN: 0039-7881
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 130:139271
AB A facile 1-step method is presented for the synthesis of 1-(fluoroalkyl)-substituted indolizines in moderate to good yields by reactions of pyridinium, 4-methylpyridinium isoquinolinium, and pyridazinium ylides with CF3CBr:CH2 and Cl(CF2)nCH:CHI (n = 2, 4, 6), resp., in the presence of base.
IT 135339-04-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (fluoroalkyl)indolizines)
RN 135339-04-7 CAPLUS
CN Methanone, phenyl[1-(trifluoromethyl)-3-indolizinyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:547782 CAPLUS
DOCUMENT NUMBER: 129:290034
TITLE: Preparation of indolizine by intramolecular 1,5-dipolar cycloaddition of pyridinium N-allylides
AUTHOR(S): Zhou, Jian; Hu, Yue-Fei; Hu, Hong-Wen
CORPORATE SOURCE: Department of Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China
SOURCE: Chemical Research in Chinese Universities (1998), 14(2), 213-214
CODEN: CRCUED; ISSN: 1000-9213
PUBLISHER: Higher Education Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Pyridinium or isoquinolinium allylides, prepared by treatment of 1-chloro-1-buten-3-one and the corresponding pyridinium or isoquinolinium salts with Et3N at room temperature, were heated in toluene 3-5 h to give 34-55% indolizines and benzo[g]indolizines.
IT 51386-41-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of indolizine by intramol. 1,5-dipolar cycloaddn. of pyridinium N-allylides)
RN 51386-41-5 CAPLUS
CN Ethanone, 1-(3-benzoyl-1-indolizinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

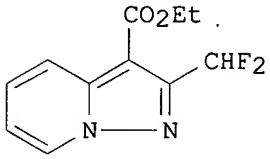
L5 ANSWER 16 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:121449 CAPLUS
DOCUMENT NUMBER: 128:217319
TITLE: A convenient synthesis of polyfluoroalkyl-substituted

pyrazolo[1,5-a]pyridine, pyrrolo[1,2-b]pyridazine and indolizine derivatives

AUTHOR(S): Zhang, Xue-chun; Huang, Wei-yuan
CORPORATE SOURCE: 354 Fenglin Lu, Shanghai Institute of Organic Chemistry, Laboratory of Organofluorine Chemistry, Chinese Academy of Sciences, Shanghai, 200032, Peop. Rep. China

SOURCE: Journal of Fluorine Chemistry (1998), 87(1), 57-64
CODEN: JFLCAR; ISSN: 0022-1139
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English

GI

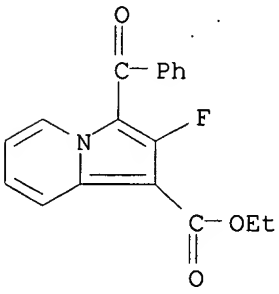


I

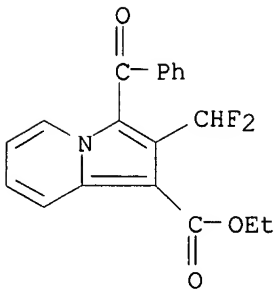
AB In the presence of base, Et 2,2-dihydropoly(per)fluoroalkanoates reacted with N-aminopyridinium iodide, N-amino-γ-picolinium iodide or N-aminoisoquinolinium iodide, N-phenacylpyridazinium, N-phenacylpyridinium, and N-phenacylisoquinolinium bromides in DMF to give poly(per)fluoroalkyl-substituted pyrazolo[1,5-a] pyridine, e.g., I, pyrrolo[1,2-a]pyridazine, and indolizine derivs.

IT 204136-67-4P 204136-68-5P 204136-69-6P
204136-70-9P 204136-71-0P 204136-79-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

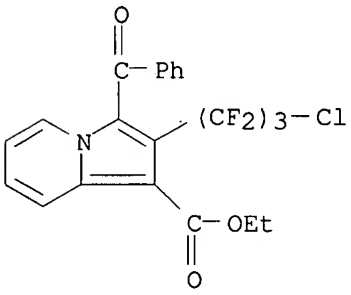
RN 204136-67-4 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-fluoro-, ethyl ester (9CI) (CA INDEX NAME)



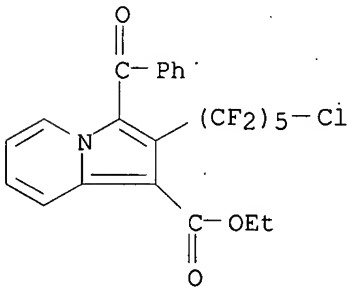
RN 204136-68-5 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-(difluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)



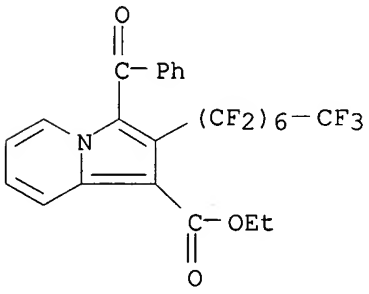
RN 204136-69-6 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-(3-chloro-1,1,2,2,3,3-hexafluoropropyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 204136-70-9 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-(5-chloro-1,1,2,2,3,3,4,4,5,5-decafluoropentyl)-, ethyl ester (9CI) (CA INDEX NAME)

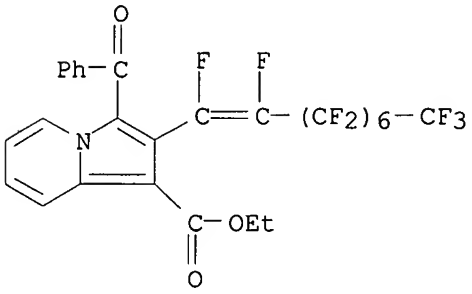


RN 204136-71-0 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-(pentadecafluoroheptyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 204136-79-8 CAPLUS

CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-1-nonenyl)-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

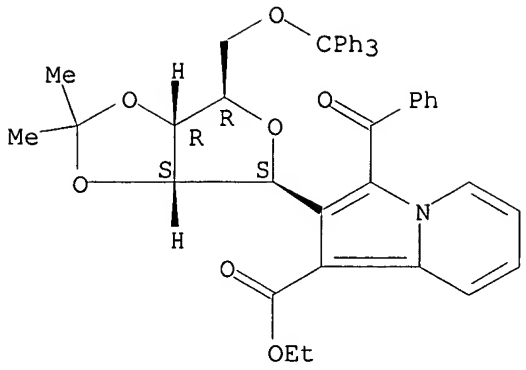
L5 ANSWER 17 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:757464 CAPLUS
DOCUMENT NUMBER: 128:48444
TITLE: Syntheses of anomeric pairs of new C-nucleosides via 1,3-dipolar cycloaddition reaction. Part 1
AUTHOR(S): Maqbool, Zahida; Hasan, Mashooda; Pott, Kevin T.; Malik, Abdul; Nizami, Tanveer Ahmad; Voelter, Wolfgang
CORPORATE SOURCE: Rensselaer Polytechnic Institute, Troy, NY, USA
SOURCE: Zeitschrift fuer Naturforschung, B: Chemical Sciences (1997), 52(11), 1383-1392
CODEN: ZNBSEN; ISSN: 0932-0776
PUBLISHER: Verlag der Zeitschrift fuer Naturforschung
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 128:48444

AB A convenient pathway to a variety of β- and α-C-nucleosides was developed by utilizing 1,3-dipolar cycloaddn. reactions of various exo- and endocyclic heterocyclic ylides with β and α anomers of 3-(2',3'-O-isopropylidene-5'-O-trityl-D-ribofuranosyl)propiolate, resp. Assignment of configuration at C(1)' position of the C-nucleosides could be made by a comparative study of the properties of corresponding α and β anomers with a reasonable degree of certainty.

IT 199996-87-7P 199996-88-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of anomeric pairs of C-nucleosides via 1,3-dipolar cycloaddn.)

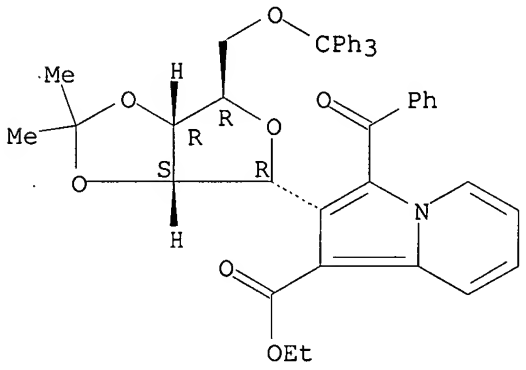
RN 199996-87-7 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-[2,3-O-(1-methylethylidene)-5-O-(triphenylmethyl)-β-D-ribofuranosyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



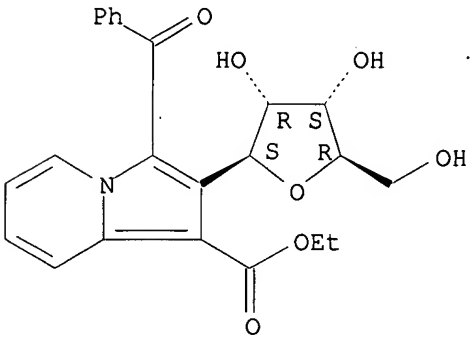
RN 199996-88-8 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-[2,3-O-(1-methylethylidene)-5-O-(triphenylmethyl)-α-D-ribofuranosyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



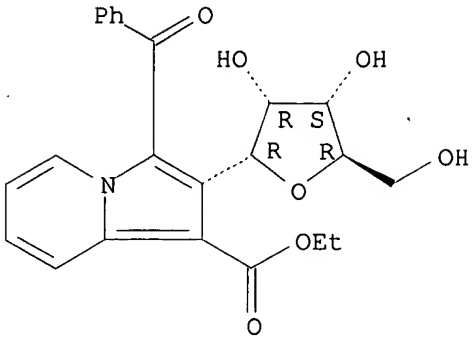
IT 199996-89-9P 199996-90-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of anomeric pairs of C-nucleosides via 1,3-dipolar cycloaddn.)
RN 199996-89-9 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-β-D-ribofuranosyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 199996-90-2 CAPLUS
CN 1-Indolizinecarboxylic acid, 3-benzoyl-2-α-D-ribofuranosyl-, ethyl ester (9CI) (CA INDEX NAME)

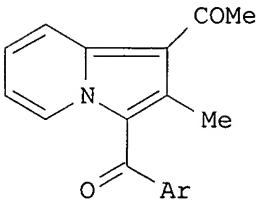
Absolute stereochemistry.



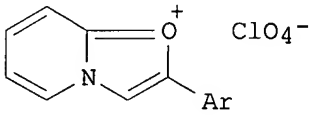
L5 ANSWER 18 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1997:748900 CAPLUS
DOCUMENT NUMBER:	128:61394
TITLE:	Hetarenes with a bridge nitrogen atom. 5. Synthesis of the indolizine ring by transformation of the oxazolo[3,2-a]pyridinium cation when treated with acetylacetone
AUTHOR(S):	Babaev, E. V.; Bozhenko, S. V.
CORPORATE SOURCE:	M. V. Lomonosov Moscow State University, Moscow, 119899, Russia
SOURCE:	Chemistry of Heterocyclic Compounds (New York)(Translation of Khimiya Geterotsiklicheskikh Soedinenii) (1997), 33(1), 125-126 CODEN: CHCCAL; ISSN: 0009-3122
PUBLISHER:	Consultants Bureau
DOCUMENT TYPE:	Journal
LANGUAGE:	English

GI



I



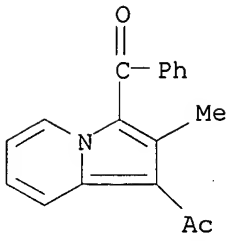
II

AB Indolizines I (Ar = Ph, 4-O2NC6H4) were prepared by the reaction of Na+-CH(COMe)2 with oxazolopyridinium perchlorates II.

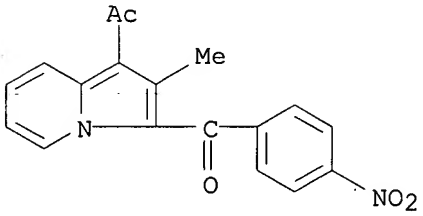
IT 200355-81-3P 200355-82-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of indolizines by cyclocondensation of acetylacetone with oxazolopyridinium perchlorates)

RN 200355-81-3 CAPLUS

CN Ethanone, 1-(3-benzoyl-2-methyl-1-indolizinyl)- (9CI) (CA INDEX NAME)



RN 200355-82-4 CAPLUS
CN Ethanone, 1-[2-methyl-3-(4-nitrobenzoyl)-1-indolizinyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 19 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:559901 CAPLUS
DOCUMENT NUMBER: 127:262368
TITLE: Rates of decarboxylation of the radical cations of indol-3-ylacetic acids and comparison with indolizin-1-ylacetic acids
AUTHOR(S): Mehta, Lina K.; Porssa, Manuchehr; Parrick, John; Candeias, Luis P.; Wardman, Peter
CORPORATE SOURCE: Department of Chemistry, Brunel University, Uxbridge, UB8 3PH, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1997), (8), 1487-1491
CODEN: JCPKBH; ISSN: 0300-9580
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English

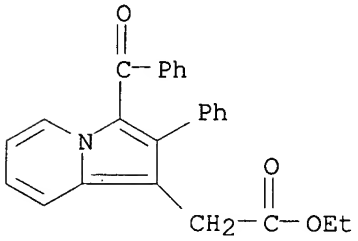
AB The radical cations of indol-3-ylacetic acid and derivs. were found to eliminate CO2 to yield skatolyl radicals with rates in the range ca. 102 to > 105 s-1, strongly dependent on substitution. For the radical cations substituted at nitrogen, the rate of decarboxylation did not vary with pH 4-7.5, but for those unsubstituted at nitrogen, deprotonation caused the rate of decarboxylation to decrease with increasing pH. The rate of decarboxylation of the radical cations exhibited a strong dependence on the resp. reduction potentials, with a 100 mV increase in reduction potential corresponding to a ca. tenfold increase in the rate of decarboxylation. Methylation at the side-chain α-position increased the rate of decarboxylation >sixfold, but insertion of a methylene group, as in 3-indol-3-ylpropionic acid or tryptophan, completely inhibited decarboxylation. In contrast, indolizin-1-ylacetic acids, which are isomers of indolylacetic acids in which the heterocyclic nitrogen is the bridgehead, did not decarboxylate on one-electron oxidation

IT 196391-93-2P 196391-94-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(precursor; decarboxylation of radical cations of indol-3-ylacetic acids and comparison with indolizin-1-ylacetic acids)

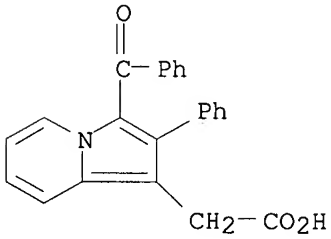
RN 196391-93-2 CAPLUS

CN 1-Indolizineacetic acid, 3-benzoyl-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 196391-94-3 CAPLUS

CN 1-Indolizineacetic acid, 3-benzoyl-2-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 20 OF 150 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:246472 CAPLUS

DOCUMENT NUMBER: 126:293244

TITLE: A convenient synthesis of 1-acylindolizines by 1,3-dipolar cycloaddition reactions of pyridinium ylides and α,β-unsaturated aldehydes or ketones in the presence of tetrapyridinecobalt dichromate

AUTHOR(S): Zhang, Xuechun; Cao, Weili; Wei, Xudong; Hu, Hongwen

CORPORATE SOURCE: Department of Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China

SOURCE: Synthetic Communications (1997), 27(8), 1395-1403
CODEN: SYNCAV; ISSN: 0039-7911

PUBLISHER: Dekker

DOCUMENT TYPE: Journal

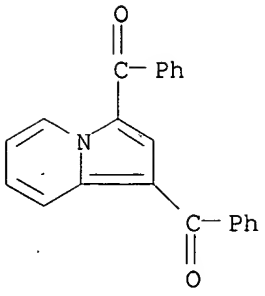
LANGUAGE: English

AB In the presence of tetrapyridinecobalt dichromate (CoPy4(HCrO4)2), pyridinium ylides and α,β-unsatd. aldehydes or ketones undergo 1,3-dipolar cycloaddn. reactions followed by in situ aromatization to give 1-acyl substituted indolizines in moderate to good yields.

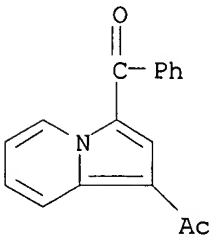
IT 17281-91-3P 51386-41-5P 107847-03-0P
189024-13-3P 189024-14-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 17281-91-3 CAPLUS

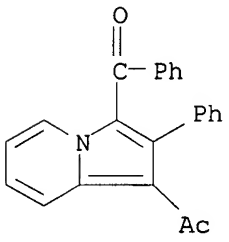
CN Methanone, 1,3-indolizinediylbis[phenyl- (9CI) (CA INDEX NAME)



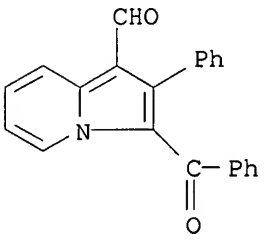
RN 51386-41-5 CAPLUS
CN Ethanone, 1-(3-benzoyl-1-indolizinyl)- (9CI) (CA INDEX NAME)



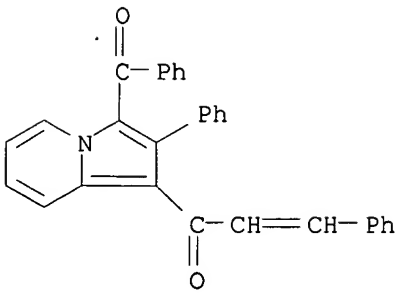
RN 107847-03-0 CAPLUS
CN Ethanone, 1-(3-benzoyl-2-phenyl-1-indolizinyl)- (9CI) (CA INDEX NAME)



RN 189024-13-3 CAPLUS
CN 1-Indolizinecarboxaldehyde, 3-benzoyl-2-phenyl- (9CI) (CA INDEX NAME)



RN 189024-14-4 CAPLUS
CN 2-Propen-1-one, 1-(3-benzoyl-2-phenyl-1-indolizinyl)-3-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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